

CLAIMS

What is claimed is:

1. An electrical conductor splice connector comprising:

a body;

conductor contacting wedges movably mounted on the body; and

at least one wedge movement anti-reverse clip connected to the body and contacting one of the wedges.

2. An electrical conductor splice connector as in claim 1 wherein the anti-reverse clip is mounted to a top side of the body.

3. An electrical conductor splice connector as in claim 1 wherein the body comprises two wedge receiving areas, the two wedge receiving areas comprising substantially open top sides.

4. An electrical conductor splice connector as in claim 1 wherein at least one of the wedges comprises serrations on a top side which are engaged by a portion of the anti-reverse clip.

5. An electrical conductor splice connector as in claim 1 wherein the anti-reverse clip comprises a portion with an anti-reverse tab which contacts one of the wedges, and a removal tab located proximate the anti-reverse tab, the removal tab being adapted to be moved away from the body to thereby move the anti-reverse tab.

6. An electrical conductor splice connector as in claim 5 wherein the anti-reverse clip comprises a notch located between the anti-reverse tab and the removal tab.

7. An electrical conductor splice connector as in claim 5 wherein the anti-reverse tab extends in a general orthogonal direction relative to the removal tab.

8. An electrical conductor splice connector as in claim 1 wherein the anti-reverse clip comprises an anti-reverse tab at a front end of the clip which engages serrations on one of the wedges and a wedge stop tab at a rear end of the clip.

9. An electrical conductor splice connector as in claim 8 wherein the anti-reverse tab and the wedge stop tab extend in a general same direction.

10. An electrical conductor splice connector as in claim 8 wherein the anti-reverse tab and the wedge stop tab extend in general orthogonal directions.

11. An electrical conductor splice connector as in claim 1 wherein the conductor contacting wedges comprise a pair of wedges which are connected to each other by a connection for forward and rearward movement on the body in unison with each other.

12. An electrical conductor splice connector as in claim 11 wherein a first one of the wedges comprises a bar slidably extending into a receiving area of a second one of the wedges.

13. An electrical conductor splice connector as in claim 12 wherein the bar is located proximate a top side

of the first wedge and the receiving area is located proximate a top side of the second wedge.

14. An electrical conductor splice connector as in claim 13 wherein the first wedge comprises an upwardly extending movement tab which extends out of the body.

15. An electrical conductor splice connector as in claim 1 wherein the anti-reverse clip comprises desired wedge location indicia for multiple types of conductors, the indicia being located on a top side of the clip.

16. An electrical conductor splice connector comprising:

a body; and

a pair of opposing conductor contacting wedges having bottom surfaces and outer lateral side surfaces slidably located on the body, wherein a first one of the wedges comprises a cantilevered bar at a top portion of the first wedge which slidably extends into a receiving area of a second one of the wedges to interlock forward and reward movement of the pair of wedges with each other.

17. An electrical conductor splice connector as in claim 16 wherein the body comprises two wedge receiving areas having substantially open top sides.

18. An electrical conductor splice connector as in claim 16 wherein the body comprises wedge grooves and the wedges comprise protrusions slidable located in the wedge grooves, and wherein at least one of the wedge grooves comprises a main section and an initial mounting portion located inwardly relative to the main section, and

wherein during locating of the pair of wedges on the body the protrusion must be located in the initial mounting portion of the wedge groove before the protrusion can be moved into the main section of the wedge grooves.

19. An electrical conductor splice connector as in claim 16 further comprising at least one wedge movement anti-reverse clip connected to the body and contacting one of the wedges.

20. An electrical conductor splice connector as in claim 19 wherein the anti-reverse clip is mounted to a top side of the body.

21. An electrical conductor splice connector as in claim 20 wherein at least one of the wedges comprises serrations on a top side which are engaged by a portion of the anti-reverse clip.

22. An electrical conductor splice connector as in claim 20 wherein the anti-reverse clip comprises a portion with an anti-reverse tab which contacts one of the wedges, and a removal tab located proximate the anti-reverse tab, the removal tab being adapted to be moved away from the body to thereby move the anti-reverse tab.

23. An electrical conductor splice connector as in claim 22 wherein the anti-reverse clip comprises a notch located between the anti-reverse tab and the removal tab.

24. An electrical conductor splice connector as in claim 23 wherein the anti-reverse clip further comprises a wedge stop tab at a rear end of the clip.

25. An electrical conductor splice connector comprising:

body; and

a pair of interlocked opposing conductor contacting wedges slidably located on the body,

wherein the body comprises wedge grooves, wherein the wedges comprise protrusions slidably located in the wedge grooves, wherein at least one of the wedge grooves comprises a main section and an initial mounting portion located inwardly relative to the main section, and wherein during locating of the pair of wedges on the body the protrusion must be located in the initial mounting portion of the wedge groove before the protrusion can be moved into the main section of the wedge groove.

26. An electrical conductor splice connector as in claim 25 further comprising a member attached to a top side of the body, the member comprising a stop tab for limiting reward movement of the wedges on the body.

27. An electrical conductor splice connector as in claim 26 wherein the member further comprises an anti-reverse tab for contacting serrations on a top side one of the wedges.

28. A method of assembling an electrical conductor splice connector comprising steps of:

inserting a wedge into a wedge receiving area of a splice connector body; and

connecting an anti-reversing clip to a top side of the splice connector body, the clip having a anti-reverse tab which projects inward into the wedge receiving area and into contact with the wedge.

29. A method as in claim 28 wherein the step of connecting the anti-reversing clip to the body comprises locating a wedge stop tab of the clip behind a rear end of the wedge to limit reward movement of the wedge on the body.

30. A method as in claim 28 wherein the step of inserting a wedge into the wedge receiving area comprises inserting the wedge with another wedge as a pair of wedges into the wedge receiving area, a portion of one of the wedges extending into a portion of another one of the wedges proximate a top sides of the wedges.

31. A method as in claim 30 wherein the wedge receiving area comprises a substantially open top side and the step of inserting a wedge into the wedge receiving area comprises inserting the pair of wedges through the substantially open top side.

32. A method of assembling an electrical conductor splice connector comprising steps of:

inserting a pair of conductor contacting wedges into a wedge receiving area of a splice connector body, the wedges having projections which are inserted into initial mounting portions of grooves in the body and subsequently moved into main sections of the grooves; and

connecting a clip to the splice connector body, the clip forming a direct barrier to movement of at least one of the wedges such that the projections are prevented from moving back into the initial mounting portions of the grooves and becoming inadvertently disconnected from the splice connector body.